

Product Description

PPS-based alloys, excellent wear resistance, low coefficient of friction, excellent heat and chemical resistance

Material Properties

Properties	Test Method	Unit	PPS-based alloys	
			SFG6C	SFG6C-BK
Color	-	-	NA	Black
Density	ISO 1183	g/cm ³	1.55	1.55
Water Absorption	ISO 62	%	0.02	0.02
Mold Shrinkage Flow/Transverse	-	%	0.3/0.5	0.3/0.5
Tensile Strength	ISO 527	MPa	150	140
Elongation	ISO 527	%	1.2	1.2
Flexural Strength	ISO 178	MPa	200	200
Flexural Modulus	ISO 178	GPa	12.0	12.0
Notched Izod Impact	ISO 180	kJ/m ²	10.0	9.0
Heat Deflection Temperature 1.8 MPa	ISO 75	°C	265	265
Flammability Rating	UL-94	-	V0	V0

Notes for molding

Predry pellets at 120-140°C for 2-4 hours.

Temperature of mold at 130-150°C.

Optimum material temperature :290-320°C,Do not heat above 350°C.

Limit in-cylinder retention time: 300°C/60min. 320°C/30min.